

	Type	Hits	Search Text	DBs
1	BRS	123	((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (microlens\$2 lens\$2 grin covex) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))	USPAT
2	BRS	30	((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (microlens\$2 lens\$2 grin covex) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) not (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)))	USPAT
3	BRS	18	((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (microlens\$2 lens\$2 grin covex) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) not (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))	USPAT

	Time Stamp	Cor mm en ts	Er ro De fi ni ti on	Er ro rs
1	2003/01/16 14:17			0
2	2003/01/16 14:17			0
3	2003/01/16 14:30			0

	Type	Hits	Search Text	DBs
4	BRS	13	<pre> ((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (microlens\$2 lens\$2 grin covex) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) not (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating)) and grin </pre>	USPAT
5	BRS	5	<pre> ((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (microlens\$2 lens\$2 grin covex) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) not (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating)) not ((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (microlens\$2 lens\$2 grin covex) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) not (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave </pre>	USPAT

	Time Stamp	Cor ro m en ts ni ti on	Er ro De ro rs
4	2003/01/16 14:18		0
5	2003/01/16 14:35		0

	Type	Hits	Search Text	DBs
6	BRS	12	<pre> ((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (microlens\$2 lens\$2 grin covex) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) not (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) not (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (microlens\$2 lens\$2 grin covex) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) not (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) </pre>	USPAT

	Time Stamp	Cor mm en ts	Er ro r De ni ti on	Er ro rs
6	2003/01/16 14:32			0

	Type	Hits	Search Text	DBs
7	BRS	123	<pre> ((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near5 (lens\$2 grin covex microlens\$2)) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2))) not ((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near5 (lens\$2 grin covex microlens\$2)) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2))) and (grin)) (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near5 (lens\$2 grin covex microlens\$2)) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) not (((fibers </pre>	USPAT
8	BRS	14	<pre> "6498870" "6445939" "6381382" "6263123" "6217698" "6204945" "5956167" "5943463" "5844410" "5661835" "5621832" "5566260" "5037173" "4493212") .pn. </pre>	USPAT

	Time Stamp	Cor ro mm en ts	De fi ni ti on	Er ro rs
7	2003/01/16 14:41			0
8	2003/01/16 15:50			0

	Type	Hits	Search Text	DBs
9	BRS	4	<pre>(("6498870" "6445939" "6381382" "6263123" "6217698" "6204945" "5956167" "5943463" "5844410" "5661835" "5621832" "5566260" "5037173" "4493212") .pn.) and grin</pre>	USPAT
10	BRS	10	<pre>(("6498870" "6445939" "6381382" "6263123" "6217698" "6204945" "5956167" "5943463" "5844410" "5661835" "5621832" "5566260" "5037173" "4493212") .pn.) not (((("6498870" "6445939" "6381382" "6263123" "6217698" "6204945" "5956167" "5943463" "5844410" "5661835" "5621832" "5566260" "5037173" "4493212") .pn.) and grin)</pre>	USPAT
11	BRS	89	grin same fiber\$1 same (selfoc\$5)	USPAT
12	BRS	5	<pre>((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) and (numer\$4 near1 apertu\$3)</pre>	USPAT
13	BRS	26	<pre>((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) not (((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) and (numer\$4 near1 apertu\$3))</pre>	USPAT
14	BRS	31	<pre>(grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))</pre>	USPAT

	Time Stamp	Cor mm en ts	Er ro De ni ti on	Er ro rs
9	2003/01/16 14:42			0
10	2003/01/16 14:43			0
11	2003/01/16 15:08			0
12	2003/01/16 14:54			0
13	2003/01/16 14:54			0
14	2003/01/16 15:09			0

	Type	Hits	Search Text	DBs
15	BRS	79	grin same (fiber\$1 adj1 lens\$2) (grin same (fiber\$1 adj1 lens\$2)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))	USPAT
16	BRS	17	(grin same (fiber\$1 adj1 lens\$2)) and (reflect\$4 mirror\$1 micromirror\$2 grating)	USPAT
17	BRS	62	((grin same (fiber\$1 adj1 lens\$2)) and (reflect\$4 mirror\$1 micromirror\$2 grating)) not ((grin same (fiber\$1 adj1 lens\$2)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating)))	USPAT
18	BRS	6	((grin same (fiber\$1 adj1 lens\$2)) and (reflect\$4 mirror\$1 micromirror\$2 grating)) and grating) not ((grin same (fiber\$1 adj1 lens\$2)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating)))	USPAT
19	BRS	37	((grin same (fiber\$1 adj1 lens\$2)) and (reflect\$4 mirror\$1 micromirror\$2 grating)) not ((grin same (fiber\$1 adj1 lens\$2)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) ((grin same (fiber\$1 adj1 lens\$2)) and (reflect\$4 mirror\$1 micromirror\$2 grating)) and grating) ((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) ((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) not ((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) and (numer\$4 near1 apertu\$3)) ((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) and (numer\$4 near1 apertu\$3)) (((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near5 (lens\$2 grin covex microlens\$2)) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2))) not (((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1	USPAT

	Time Stamp	Cor rec tions	Er ro rs
15	2003/01/16 16:24		0
16	2003/01/16 15:51		0
17	2003/01/16 15:19		0
18	2003/01/16 15:18		0
19	2003/01/16 15:20		0

	Type	Hits	Search Text	DBs
20	BRS	57	<pre>((grin same (fiber\$1 adj1 lens\$2)) and (reflect\$4 mirror\$1 micromirror\$2 grating)) not (((grin same (fiber\$1 adj1 lens\$2)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) (((grin same (fiber\$1 adj1 lens\$2)) and (reflect\$4 mirror\$1 micromirror\$2 grating)) and grating) ((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) (((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) not (((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) and (numer\$4 near1 apertu\$3))) (((grin same fiber\$1 same (selfoc\$5)) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2 grating))) and (numer\$4 near1 apertu\$3)) ((((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near5 (lens\$2 grin covex microlens\$2)) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2))) not ((((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1</pre>	USPAT
21	BRS	16	<pre>("6498870" "6445939" "6381382" "6263123" "6217698" "6204945" "5956167" "5943463" "5844410" "5661835" "5621832" "5566260" "5037173" "4493212") .pn.) ("6507438" "6445939" "6411753" "5844410" "5566260" "4493212") .pn.)</pre>	USPAT

	Time Stamp	Cor num en ts	Er ro r De ni ti on	Er ro rs
20	2003/01/16 15:49			0
21	2003/01/16 20:02			0

	Type	Hits	Search Text	DBs
22	BRS	14	<pre>((("6498870" "6445939" "6381382" "6263123" "6217698" "6204945" "5956167" "5943463" "5844410" "5661835" "5621832" "5566260" "5037173" "4493212").pn.) ((6507438" "6445939" "6411753" "5844410" "5566260" "4493212").pn.)) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near5 (lens\$2 grin covex microlens\$2)) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (microlens\$2 lens\$2 grin covex) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) </pre>	USPAT
23	BRS	27	grin same (fiber\$1 adj1 lens\$2)	US-PPGUB; EPO; JPO; DERWENT
24	BRS	0	<pre>((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (microlens\$2 lens\$2 grin covex) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) not (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) </pre>	USPAT

	Time Stamp	Cor rec tions	De fini ti on	Er ro rs
22	2003/01/16 15:59			0
23	2003/01/16 16:24			0
24	2003/01/16 16:40			0

	Type	Hits	Search Text	DBs
25	BRS	11	((("6498870" "6445939" "6381382" "6263123" "6217698" "6204945" "5956167" "5943463" "5844410" "5661835" "5621832" "5566260" "5037173" "4493212").pn.) ((6507438 "6445939" "6411753" "5844410" "5566260" "4493212").pn.) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))	USPAT
26	BRS	1	6366716.pn.	USPAT
27	BRS	1	6366716.pn. and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)))	USPAT
28	BRS	5	("6438954" "6404942" "6388359" "6449406" "6434291").pn.	USPAT
29	BRS	4	((("6438954" "6404942" "6388359" "6449406" "6434291").pn.) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)))	USPAT
30	BRS	1	((("6438954" "6404942" "6388359" "6449406" "6434291").pn.) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))	USPAT
31	BRS	0	((("6438954" "6404942" "6388359" "6449406" "6434291").pn.) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near5 (lens\$2 grin covex microlens\$2)) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))	USPAT
32	BRS	1	6415082.pn.	USPAT
33	BRS	0	((("6415082" "6363183" "6449406" "6434291").pn.) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))	USPAT
34	BRS	4	("6415082" "6363183" "6449406" "6434291").pn.	USPAT
35	BRS	1	("6449406").pn.	USPAT

	Time Stamp	Cor mm en ts	De fin iti on	Er ro rs
25	2003/01/16 17:38			0
26	2003/01/16 17:40			0
27	2003/01/16 17:44			0
28	2003/01/16 17:43			0
29	2003/01/16 17:44			0
30	2003/01/16 17:46			0
31	2003/01/16 17:49			0
32	2003/01/16 17:49			0
33	2003/01/16 17:56			0
34	2003/01/16 18:05			0
35	2003/01/16 18:05			0

	Type	Hits	Search Text	DBs
36	BRS	1	((("6449406").pn.) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)))	USPAT
37	BRS	0	((("6449406").pn.) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near4 (microlens\$2 lens\$2 grin covex) near3 (integrat\$4 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)))	USPAT
38	BRS	1	((("6449406").pn.) and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) same (microlens\$2 lens\$2 grin covex) same (integrat\$4 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)))	USPAT
39	BRS	1	6411753.pn.	USPAT
40	BRS	0	6411753.pn. and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) same (microlens\$2 lens\$2 grin covex) same (integrat\$4 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)))	USPAT
41	BRS	0	((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near5 (lens\$2 grin covex microlens\$2)) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2))) not (((((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near7 (lens\$2 grin covex microlens\$2)) same (reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))) and (((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near5 (lens\$2 grin covex microlens\$2)) near5 (fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))) and (split\$4 and (reflect\$4 mirror\$1 micromirror\$2))) and (grin)) and (grin same (fiber\$1 adj1 lens\$2)))	USPAT
42	BRS	1	6411753.pn. and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) same (microlens\$2 lens\$2 grin covex))	USPAT
43	BRS	1	(6411753.pn. and ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) same (microlens\$2 lens\$2 grin covex))) and (integrat\$4 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))	USPAT
44	BRS	3	((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near3 (grin) near3 (weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) same (dispers\$4 reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))	USPAT

	Time Stamp	Cor ro mm en ts	De ni ti on	Er ro rs
36	2003/01/16 18:06			0
37	2003/01/16 18:08			0
38	2003/01/16 18:41			0
39	2003/01/16 18:43			0
40	2003/01/16 18:51			0
41	2003/01/16 18:43			0
42	2003/01/16 18:45			0
43	2003/01/16 18:52			0
44	2003/01/16 19:15			0

	Type	Hits	Search Text	DBs
45	BRS	4	((fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)) near3 (grin) near3 (weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) and (dispers\$4 reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))	USPAT
46	BRS	54	(fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (grin) near5 (weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)	USPAT
47	BRS	43	((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (grin) near5 (weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) and (dispers\$4 reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))	USPAT
48	BRS	1	5384874.pn.	USPAT
49	BRS	16	((grin same (fiber\$1 adj1 lens\$2)) and (reflect\$4 mirror\$1 micromirror\$2 grating)) and grating	USPAT
50	BRS	6	("6507438" "6445939" "6411753" "5844410" "5566260" "4493212").pn.	USPAT
51	BRS	1	((("6507438" "6445939" "6411753" "5844410" "5566260" "4493212").pn.) and ((grin) near5 (weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))	USPAT
52	BRS	1	((("6507438" "6445939" "6411753" "5844410" "5566260" "4493212").pn.) and ((grin) near5 (weld\$3 splic\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))	USPAT
53	BRS	3	("4701011" "5337380" "5384874").pn.	USPAT
54	BRS	0	((("4701011" "5337380" "5384874").pn.) and ((grin) near5 (weld\$3 splic\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3))	USPAT
55	BRS	1	((("4701011" "5337380" "5384874").pn.) and (fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides))) and grin	USPAT
56	BRS	3	((("4701011" "5337380" "5384874").pn.) and (fibers (array near1 (fiber waveguide (wave near1 guide))) waveguides (wave near1 guides)))	USPAT
57	BRS	1	4,268,112.pn.	USPAT
58	BRS	96	(fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (grin (gradient near1 index)) near5 (epox\$4 weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)	USPAT
59	BRS	77	((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (grin (gradient near1 index)) near5 (epox\$4 weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) and (dispers\$4 reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4))	USPAT

	Time Stamp	Cor ro mm en ts	De ni ti on	Er ro rs
45	2003/01/16 19:15			0
46	2003/01/16 21:28			0
47	2003/01/16 21:34			0
48	2003/01/16 20:02			0
49	2003/01/16 20:09			0
50	2004/02/03 18:50			0
51	2003/01/16 20:34			0
52	2003/01/16 20:45			0
53	2003/01/16 20:45			0
54	2003/01/16 20:46			0
55	2003/01/16 20:48			0
56	2003/01/16 21:07			0
57	2003/01/16 21:07			0
58	2003/01/16 21:53			0
59	2003/01/16 21:34			0

	Type	Hits	Search Text	DBs
60	BRS	57	((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (grin (gradient near1 index)) near5 (epox\$4 weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) and (dispers\$4 reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and grin	USPAT
61	BRS	20	((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (grin (gradient near1 index)) near5 (epox\$4 weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) and (dispers\$4 reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) not (((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (grin (gradient near1 index)) near5 (epox\$4 weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) and (dispers\$4 reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and grin)	USPAT
62	BRS	18	((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (grin (gradient near1 index)) near5 (epox\$4 weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) and (dispers\$4 reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) not (((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near5 (grin (gradient near1 index)) near5 (epox\$4 weld\$3 integrat\$5 fus\$4 attach\$3 glu\$3 join\$3 bond\$3 stick\$3)) and (dispers\$4 reflect\$4 mirror\$1 micromirror\$2 split\$4 (grating same reflect\$4)) and grin)) and (gradient near1 index near4 lens\$2)	USPAT
63	BRS	1	(grin near2 cleav\$3 near2 angle) same (fiber\$1 waveguid\$3 (wave near12 guide\$1))	USPAT
64	BRS	1	6411753.pn.	USPAT
65	BRS	0	6411753.pn. and ((control\$4 microcontrol\$ mov\$3 rotat\$5) same (mirror\$1 micromirror\$1 reflect\$4))	USPAT
66	BRS	1	((grin near2 cleav\$3 near2 angle) same (fiber\$1 waveguid\$3 (wave near12 guide\$1))) and ((size\$1 dimension\$2 micrometer\$1) same mirror\$1)	USPAT
67	BRS	1	6449406.pn.	USPAT
68	BRS	1	6449406.pn. and ((size\$1 dimension\$2 micrometer\$1) same mirror\$1)	USPAT
69	BRS	1	6366716.pn.	USPAT
70	BRS	0	'10/635430'	USPAT; US-PGPUB
71	BRS	0	'10/635,430'	USPAT; US-PGPUB
72	BRS	3	'09/896,789'	USPAT; US-PGPUB
73	BRS	0	(thermal near1 ind\$3) same (thermal adj1 expansion\$1) same material\$1 same waveguide\$1 same (athermal positive negative cancell\$4)	USPAT; US-PGPUB
74	BRS	0	(thermal near1 ind\$3) same (thermal adj1 expansion\$1) same material\$1 same waveguide\$1	USPAT; US-PGPUB

	Time Stamp	Cor mm en ts	Er ro De ni ti on
60	2003/01/17 12:21		0
61	2003/01/16 21:50		0
62	2003/01/16 21:55		0
63	2003/01/17 12:48		0
64	2003/01/17 12:48		0
65	2003/01/17 13:10		0
66	2003/01/17 13:14		0
67	2003/01/17 13:13		0
68	2003/01/17 15:11		0
69	2003/01/17 15:11		0
70	2004/02/03 18:53		0
71	2004/02/03 18:54		0
72	2004/02/03 19:06		0
73	2004/02/03 19:10		0
74	2004/02/03 19:10		0

	Type	Hits	Search Text	DBs
75	BRS	0	(thermal near1 ind\$3) same (thermal adj1 expansion\$1) same material\$1 and (waveguide\$1 same (athermal positive negative cancell\$4))	USPAT; US-PGPUB
76	BRS	8	(thermal near1 ind\$3) same (thermal adj1 expansion\$1) same material\$1 and waveguide\$1	USPAT; US-PGPUB
77	BRS	5	(thermal adj1 ind\$3) same material and (thermal adj1 expansion\$1) same material\$1 and waveguide\$1	USPAT; US-PGPUB
78	BRS	0	'20020154846' and ("6291936" "6282341" "6256442" "5903091").pn.	USPAT; US-PGPUB
79	BRS	4	("6291936" "6282341" "6256442" "5903091").pn.	USPAT; US-PGPUB
80	BRS	1	'20020154846'	USPAT; US-PGPUB
81	BRS	5	((("6291936" "6282341" "6256442" "5903091").pn.) '20020154846'	USPAT; US-PGPUB
82	BRS	5	((("6291936" "6282341" "6256442" "5903091").pn.) '20020154846') and (thermal adj1 ind\$3) same material and (thermal adj1 expansion\$1) same material\$1	USPAT; US-PGPUB
83	BRS	1	'20040013372'	USPAT; US-PGPUB
84	BRS	1	6411753.pn.	USPAT; US-PGPUB
85	BRS	0	'10/635430'	USPAT; US-PGPUB
86	BRS	0	'10/635,430'	USPAT; US-PGPUB
87	BRS	0	'10,635,430'	USPAT; US-PGPUB
88	BRS	0	'10635430'	USPAT; US-PGPUB
89	BRS	1	6411753.pn.	USPAT; US-PGPUB
90	BRS	1	6411753.pn. and (diameter\$1 size\$1 mode\$1)	USPAT; US-PGPUB
91	BRS	67	((fibers waveguides (wave adj1 guides) (second adj1 (fiber waveguide))) near7 grin near1 lens\$2) same (diameter\$1 mode\$1)	USPAT
92	BRS	66	((fibers waveguides (wave adj1 guides)) near7 grin near1 lens\$2) same (diameter\$1 mode\$1)	USPAT
93	BRS	1	((second adj1 (fiber waveguide)) near7 grin near1 lens\$2) same (diameter\$1 mode\$1)	USPAT
94	BRS	67	((fibers waveguides (wave adj1 guides)) near7 grin near1 lens\$2) same (diameter\$1 mode\$1) ((second adj1 (fiber waveguide)) near7 grin near1 lens\$2) same (diameter\$1 mode\$1)	USPAT
95	BRS	1	"4217027".PN.	USPAT
96	BRS	1	"4262035".PN.	USPAT
97	BRS	1	"4701011".PN.	USPAT
98	BRS	1	"4701011".PN.	USPAT
99	BRS	1	"4900120".PN.	USPAT
100	BRS	1	"4900120".PN.	USPAT
101	BRS	1	"4909816".PN.	USPAT

	Time Stamp	Cor rec tions	Er ro rs
75	2004/02/03 19:11		0
76	2004/02/04 11:07		0
77	2004/02/03 19:22		0
78	2004/02/03 19:22		0
79	2004/02/04 13:40		0
80	2004/02/03 19:22		0
81	2004/02/04 17:52		0
82	2004/02/04 17:43		0
83	2004/02/04 13:34		0
84	2004/02/04 13:41		0
85	2004/02/04 13:41		0
86	2004/02/04 13:41		0
87	2004/02/04 13:42		0
88	2004/02/04 13:42		0
89	2004/02/04 13:48		0
90	2004/02/04 13:52		0
91	2004/02/04 14:01		0
92	2004/02/04 19:12		0
93	2004/02/04 17:55		0
94	2004/02/04 18:20		0
95	2004/02/04 14:16		0
96	2004/02/04 14:16		0
97	2004/02/04 14:16		0
98	2004/02/04 14:17		0
99	2004/02/04 14:17		0
100	2004/02/04 14:17		0
101	2004/02/04 14:17		0

	Type	Hits	Search Text	DBs
102	BRS	1	"5050954".PN.	USPAT
103	BRS	1	"5076672".PN.	USPAT
104	BRS	1	"5076672".PN.	USPAT
105	BRS	1	"5337380".PN.	USPAT
106	BRS	1	"5384874".PN.	USPAT
107	BRS	1	"5680237".PN.	USPAT
108	BRS	1	"5680237".PN.	USPAT
109	BRS	1	"5865867".PN.	USPAT
110	BRS	1	"5905838".PN.	USPAT
111	BRS	1	"5905838".PN.	USPAT
112	BRS	1	"6014483".PN.	USPAT
113	BRS	1	"6014483".PN.	USPAT
114	BRS	1	"6105396".PN.	USPAT
115	BRS	1	"6131413".PN.	USPAT
116	BRS	1	"6172817".PN.	USPAT
117	BRS	1	"6174828".PN.	USPAT
118	BRS	1	"6219477".PN.	USPAT
119	BRS	1	"6267915".PN.	USPAT
120	BRS	56	((fibers waveguides (wave adj1 guides)) near7 grin near1 lens\$2) same (diameter\$1 mode\$1) (((second adj1 (fiber waveguide)) near7 grin near1 lens\$2) same (diameter\$1 mode\$1)) and (grin lens\$2) same (diameter\$1 size\$1 mode\$1) near7 (fiber\$1 core\$1 waveguide\$1)	USPAT
121	BRS	11	("6542665" "6519032" "6222954" "6198858" "6044187" "5757993" "5754716" "5701375" "5608831" "4701011" "4493212").pn.	USPAT; US-PGPUB
122	BRS	9	(("6542665" "6519032" "6222954" "6198858" "6044187" "5757993" "5754716" "5701375" "5608831" "4701011" "4493212").pn.) and ((grin lens\$2) same (diameter\$1 size\$1 mode\$1) near7 (fiber\$1 core\$1 waveguide\$1))	USPAT
123	BRS	9	(("6542665" "6519032" "6222954" "6198858" "6044187" "5757993" "5754716" "5701375" "5608831" "4701011" "4493212").pn.) and (grin lens\$2) same (diameter\$1 size\$1 mode\$1) near7 (fiber\$1 core\$1 waveguide\$1)	USPAT
124	BRS	4	(("6542665" "6519032" "6222954" "6198858" "6044187" "5757993" "5754716" "5701375" "5608831" "4701011" "4493212").pn.) and ((grin lens\$2) same (diameter\$1 size\$1) near7 (core\$1))	USPAT
125	BRS	0	6411753.pn. and core\$1	USPAT; US-PGPUB
126	BRS	1	6411753.pn.	USPAT; US-PGPUB
127	BRS	1	6411753.pn. and diameter\$1	USPAT; US-PGPUB
128	BRS	256	((fibers waveguides (wave adj1 guides)) near7 grin near1 lens\$2)	USPAT

	Time Stamp	Cor mm en ts	Er ro De ni ti on
102	2004/02/04 14:17		0
103	2004/02/04 14:17		0
104	2004/02/04 14:18		0
105	2004/02/04 14:18		0
106	2004/02/04 14:19		0
107	2004/02/04 14:23		0
108	2004/02/04 14:24		0
109	2004/02/04 14:25		0
110	2004/02/04 14:25		0
111	2004/02/04 14:25		0
112	2004/02/04 14:25		0
113	2004/02/04 14:26		0
114	2004/02/04 14:26		0
115	2004/02/04 14:26		0
116	2004/02/04 14:26		0
117	2004/02/04 14:27		0
118	2004/02/04 14:27		0
119	2004/02/04 14:27		0
120	2004/02/09 11:52		0
121	2004/02/05 10:19		0
122	2004/02/04 18:22		0
123	2004/02/04 18:25		0
124	2004/02/04 19:08		0
125	2004/02/04 19:09		0
126	2004/02/04 19:09		0
127	2004/02/04 19:10		0
128	2004/02/04 19:12		0

	Type	Hits	Search Text	DBs
129	BRS	30	((fibers waveguides (wave adj1 guides)) near7 grin near1 lens\$2)) and (core\$1 near3 (size\$1 diameter\$1)) same lens\$2	USPAT
130	BRS	11	("6542665" "6519032" "6222954" "6198858" "6044187" "5757993" "5754716" "5701375" "5608831" "4701011" "4493212") .pn.	USPAT; US-PGPUB
131	BRS	2	(("6542665" "6519032" "6222954" "6198858" "6044187" "5757993" "5754716" "5701375" "5608831" "4701011" "4493212") .pn.) and (fundament\$4 same mod\$2)	USPAT; US-PGPUB
132	BRS	156	(fiber\$1 waveguide\$1 (wave adj1 guide\$1)) near7 (grin near1 lens\$2) same mod\$2	USPAT
133	BRS	421	385/28.ccls.	USPAT
134	BRS	5	((fiber\$1 waveguide\$1 (wave adj1 guide\$1)) near7 (grin near1 lens\$2) same mod\$2) and 385/28.ccls.	USPAT
135	BRS	7	(fiber\$1 waveguide\$1 (wave adj1 guide\$1)) near7 (grin near1 lens\$2) same mod\$2	EPO; JPO; DERWENT
136	BRS	1	5757993.pn.	USPAT; US-PGPUB
137	BRS	1	5757993.pn. and (siz\$3 mod\$3 diameter\$2 larg\$4 smal\$4)	USPAT; US-PGPUB
138	BRS	0	'10/635430'	USPAT; US-PGPUB
139	BRS	3	'09/896789'	USPAT; US-PGPUB
140	BRS	1	'09/896789' and (fundamental same equal)	USPAT; US-PGPUB
141	BRS	1	'09/896789' and (fundamental same size)	USPAT; US-PGPUB
142	BRS	1	'09/896789' and (fundamental same size) and magnif\$7	USPAT; US-PGPUB
143	BRS	1	(5757993.pn. and (siz\$3 mod\$3 diameter\$2 larg\$4 smal\$4)) and (fundamental magnif\$7)	USPAT; US-PGPUB
144	BRS	1	'09/896789' and (discontinu\$4 interface\$4)	USPAT; US-PGPUB
145	BRS	0	'09/896789' and (core same cald\$4 same ind\$3)	USPAT; US-PGPUB
146	BRS	3	'09/896789' and (core\$2 same clad\$4 same ind\$3)	USPAT; US-PGPUB
147	BRS	1	'09/896789' and (core\$2 same clad\$4) and etch\$5	USPAT; US-PGPUB
148	BRS	0	'09/896789' and (core\$2 same clad\$4 same etch\$5)	USPAT; US-PGPUB
149	BRS	1	'09/896789' and (core\$2 clad\$4) same etch\$5	USPAT; US-PGPUB
150	BRS	1	5757993.pn. and (mod\$3 same (siz\$2 propaga\$5 differen\$4 fiber\$1 waveguide\$1))	USPAT; US-PGPUB

	Time Stamp	Cor m en ts	Er ro De fi ni ti on
129	2004/02/04 19:14		0
130	2004/02/05 10:19		0
131	2004/02/05 10:20		0
132	2004/02/09 12:11		0
133	2004/02/09 12:00		0
134	2004/02/09 12:00		0
135	2004/02/09 12:11		0
136	2004/02/10 14:13		0
137	2004/02/10 14:18		0
138	2004/02/10 14:18		0
139	2004/02/10 14:19		0
140	2004/02/10 14:21		0
141	2004/02/10 14:23		0
142	2004/02/10 14:26		0
143	2004/02/10 14:31		0
144	2004/02/10 14:33		0
145	2004/02/10 14:34		0
146	2004/02/10 14:44		0
147	2004/02/10 14:45		0
148	2004/02/10 14:45		0
149	2004/02/10 15:42		0
150	2004/02/11 11:16		0